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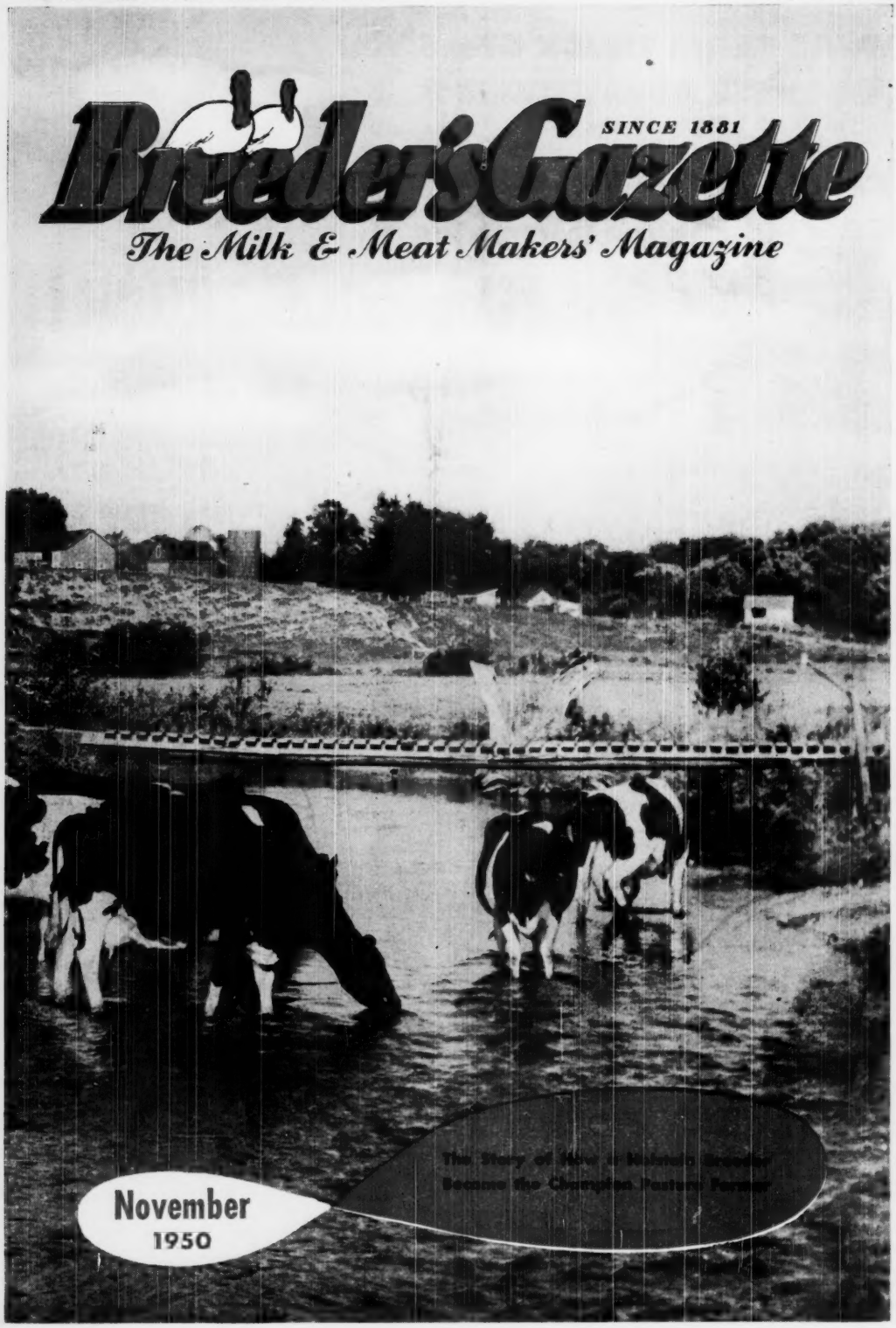
Breeder's Gazette

SINCE 1881

The Milk & Meat Makers' Magazine



The Story of How a Nebraska Breeder Became the Champion Pasture Farmer

November
1950

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Stockyards, Louisville 6, Ky. **Main Street, Spencer, Ind.**

SAMUEL R. GUARD, Editor-Publisher; BAILEY GUARD, Assistant Publisher; RODERICK GUARD, Assistant Editor; RALPH W. POULTON, Advertising Manager; JUNE A. BURKS, Subscription Manager; ARGYLE T. WAMPLER, Art Editor. Our Advertising Representatives are PECK & BILLINGSLEA, 185 N. Wabash Ave., Chicago 1, Illinois, BILLINGSLEA & FICKE, 420 Lexington Ave., New York 17, New York, W. M. TEMPLE, 15 W. 10th St., Kansas City 6, Missouri. We are charter members of the Audit Bureau of Circulations and of Farm Publication Reports, Inc. Our subscription rate is 1 year $1, 3 years $2, 5 years $3, 10 years $5. Entered as second-class matter at the Post Office at Spencer, Indiana, under Act of March 3, 1897. Published monthly and Copyrighted 1950, by the Breeder's Gazette Publishing Company, Inc., at Spencer, Indiana.

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Sam Guard's Roundup

November Blessing

ALL-PROVIDENT FATHER, WE THANK THEE THAT THE CORN IS SO GOOD; that we'll have meat for the soldier and milk for the youngones. Gazing anxiously from these maizefields here to the ricepaddies there, we jubilate to see how a strong new ring has been put in that old bull's nose. Help us this time to remain diligent in shaping a staff that will surely hold him if he gets mean again. The incense that arises from the ripeness of this year carries our constant praise to Thee. We who gather the fulness of the earth that is Thine and watch the cattle on a thousand hills that are Thine, would proclaim every day Thanks-giving Day. Amen. . . .

Thanksgiving Turkey

THIS YEAR AGAIN THE BUYERS OF THANKSGIVING TURKEYS PREFER lighter birds and will even pay you a premium for hens. The ovens in those apartment house kitchens do not seem to get any larger! That affects the type of your barrows, lambs and steers too. This broad-breasted turkey is one of the newest miracles which American breeders have wrought. And in a few short years. The very same genius that doubled the white meat could be commanded for all livestock improvement.

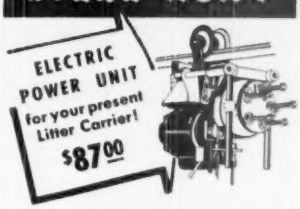
Hold Back

YOU MIGHT AS WELL COUNT ON THIS COUNTRY BEING AN ARMED CAMP for many a year, and make your farm plan accordingly. Maybe, you don't need a new plan; just carry out the one you've got—if there is plenty of livestock in it. The kind of livestock you like to work with will maintain soil fertility, put extra capital to work profitably, iron out your labor curve, mitigate the weather hazard, and convert farm-raised raw materials into higher priced meat and milk. After all the big reason for going into livestock farming is because you can make more money that way. With hard-training armed forces to feed, back of them busy crews of laborers in plants with high wage scales, another bumper baby crop, and countless millions overseas with not enough to eat, the demand for livestock products ought to be pretty good! Costs of production are bound to be high too, but a capital asset that is growing, fattening, milking or multiplying is pretty hard to beat. . . . The question is, how may one increase his livestock holdings? The answer is, do like the rancher, and the man with the veal calf truck—sell no females. Put on the hold-back straps. Hold back your heifer calves, ewe lambs and the gilts with six teats on a side.

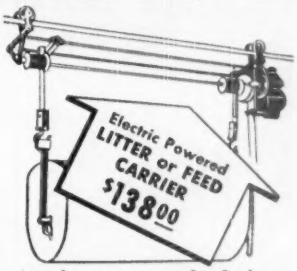
Yardsticks

IN THE NATIONAL BERKSHIRE FUTURITY AT PRINCETON, ILL., 211 PUREbred hogs were entered and shown, but only 80 were sold. That is, only the prize-winners were permitted to go into the auction. Berkshire breeders must like the idea, or they would not have been willing to show and then take back home 131 head. Buyers like it, too. The 40 prize boars averaged $200 and 40 prize gilts $111. A. O. REED, Oblong, Ill., had the champion boar, which topped the sale at $835. ROY THOMAS, Woodruff, S.C., bought him. The second top boar also went South at $635. JIM COOLEY, Brocton, Ill., disagreed with the judge as to the best gilt in the sale. He paid $265 for one from *(Please turn to page 22)*

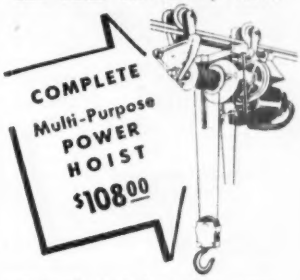
Brand New!



Attaches to any make carrier. Fits any size track. Lifts full load in half the time. Absolutely NO work!



Attaches to any make feed or litter carrier tub . . . Hooks are adjustable. Fits any type and size track. Travels any curve.



This price includes trolley, motor, cable and hook. It's Complete. Lifts 500 lbs. Has 1001 uses: Lifts bales, crates, milk cans, bags of feed, and powers other equipment on dairy and poultry farms.

Here are three real labor savers for you. So low in price anyone can afford them. All are complete with single phase reversing motor. Comes with trolley wheels. All ready to plug in and use!

Write for Catalog No. 110

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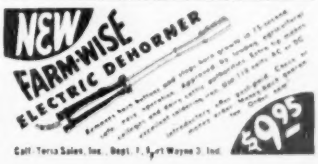
NEW FARM-WISE ELECTRIC DEHORNER



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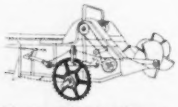
25 Years Service-35 Cents Upkeep

that's why a NEW IDEA is a good idea!

Flared, Non-choking Bed. Allows easier, higher loading. Reduces packing, prevents choking and bunching. Lined with select treated lumber—outlasts other types by many years.



Plenty of Driving Power. Larger, sure-action drive sprocket directs power to cylinders and distributor. Runs straight and true—provides ample clearance for use on rough fields.

Positive Pulverizing. Wide Spread Distributor does an unexcelled job of pulverizing and spreading. Handles toughest manure easily. Precision-built, rugged—a NEW IDEA "first."

A California farmer reports this remarkable service from his NEW IDEA Spreader. An Illinois cattle feeder writes of fine results still delivered by a NEW IDEA bought in 1925. So they come in from every part of the country . . . actual owners' accounts of *continued* excellent performance by "veteran" NEW IDEA Spreaders . . . many of them built 25, 30 and even 40 years ago.

And NEW IDEA is building them better than ever today — with advances that promote even greater soil-building efficiency! For example: Improvements in the famous NEW IDEA distributor design assure even finer shredding — uniformly wider spreading. There's a more massive drive sprocket — extra powerful, extra durable, exceptionally smooth-running. There's a simplified hitch that permits quickest, easiest coupling to any tractor. There are stronger self-aligning bearings; tougher "U" shaped cylinder teeth; sturdier and freer rolling wheels; bigger load capacity.

Yes, over the years there's been many a change in NEW IDEA Spreaders. But the same honest to goodness workmanship — the same original policy of quality without compromise — will never be changed! For more details see your NEW IDEA dealer, or mail coupon. For most value choose a NEW IDEA.

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Name_____

Address_____

YOU can greatly enliven the next meeting of your livestock association, parent-teacher, church club or other group—even a dinner party, with motion pictures. Here are some you'll find both interesting and educational.

Most of these films can be obtained without cost. A few require transportation charges. Just write to the addresses given below, explaining when you will want the film and the purpose for which it is to be used.

"The Other Side of the Fence." Vividly portrays the philosophy of Dr. Wm. A. Albrecht, chairman of the Department of Soils at the University of Missouri. Dr. Albrecht himself shows how the chemical structure of the soil affects animal and human nutrition.

M-S-C 16 mm. 22 min. Apply Geo. E. Durham, Public Relations Dept., Phillips Petroleum Co., Bartlesville, Okla.

"Waves of Green." One of the best motion pictures yet screened on agricultural progress. Filmed on the scene where various discoveries took place, it tells how science and agriculture work together to achieve greater production through the Land Grant Colleges.

M-S-C 16 mm. 2 reels 10 min. Apply Fred Thompson, Dearborn Motors Corp., 15050 Woodward Ave., Detroit 3, Mich., or your nearest Ford tractor dealer.

"What's In It for Me?" This picture was made in some of our most picturesque dairy country. It shows dairying on modern well-equipped farms and demonstrates how the farmer profits from using approved methods of cleanliness and sanitation.

M-S-C 16 mm. 20 min. Apply Ralph C. Erskine Jr., Pennsylvania Salt Mfg. Co., 1000 Widener Bldg., Philadelphia 7, Pa.

"This Heritage of Ours." A dramatic and inspirational story of America, growing from a wilderness to the greatest nation on earth. You will watch the pioneers blaze their way across the continent, forging in their progress the ideals that have become our great heritage.

M-S-C 16 mm. 45 min. Apply B. D. Grussing, Minneapolis-Moline Co., Minneapolis 1, Minn.

"Acres of Chix." This picture gives you the inside story in the development of the new hybrid chickens—how the research was conducted, inbreeding and crossing, and the final results.

M-S-C 16 mm. 20 min. Apply DeKalb Agricultural Association, DeKalb, Ill.

"Hay Is How You Make It." Watch it being cut, baled and stored by the most efficient modern methods. Shows you how the right mechanized equipment can save time and labor on the livestock farm and still preserve the maximum nutrition value of your hay crop.

M-S-C 16 mm. 20 min. Apply New Holland Machine Co., New Holland, Pa.

"Hunger Signs." Here are shown all the telltale marks of deficient nutrition in plants and animals. This picture will help you to recognize these signs, find the causes and correct them thru the proper use of fertilizer.

M-S-C 16 mm. 15 min. Apply the National Fertilizer Association, 616 Investment Bldg., Washington 5, D. C.

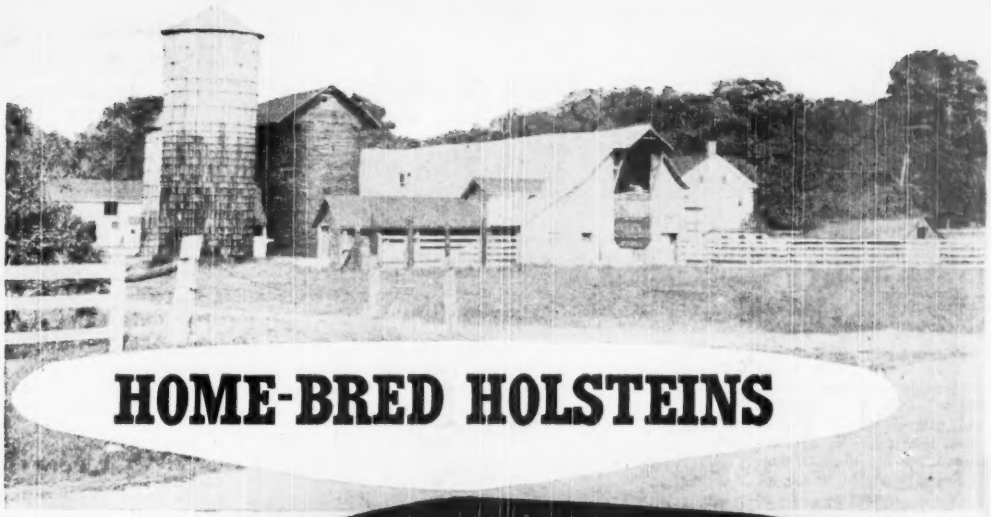
"Miracle in Paradise Valley." Produced with a Hollywood cast, this entertaining movie is dedicated to the prevention of farm and home accidents. It shows conditions which commonly lead to trouble and the simple safeguards everyone should take to prevent needless suffering and grief.

M-C 16 mm. 35 min. Apply B. G. Krouse, Sinclair Refining Co., 630 Fifth Ave., New York 20, N. Y.

"Electrified Farming." Filmed on farms from coast to coast, this picture demonstrates how properly applied electricity can lighten farm chores and greatly increase productivity. Included are scenes from a county fair with a peep into the side shows and the contests.

M-S-C 16 mm. 25 min. Apply J. C. Gibson, General Electric Co., 1 River Rd., Schenectady 5, N. Y.

Key: M—motion, S—sound, C—color.



HOME-BRED HOLSTEINS

by
Ben Brown

make the Grassland Champion

NO matter how greatly you improve your pastures, you can't sell grass in the public market. Before that grass, regardless of its verdure, turns to cash, it must be transformed into human food. Walter Hurlburt of Ashley Falls, Berkshire Co., Mass., westward near the Housatonic River and near the Connecticut line, like the Dutch dairymen of old, has found Holstein dairy cows to be the best "converters" of grass to dollars.

This year, Mr. Hurlburt was named winner of the New England Green Pastures Contest. The honor is no small achievement. Competition is stiff and his winning pastures represent many hours of hard work, constant study and careful management.

Walter has been a "pasture man" for 15 years. Even so, it took him until this year to cop top honors. When the contest began three years ago, under direction of Lewis Zehner of the Federal Land Bank in Springfield, Mass., the best Walt could do was to get "mention" in his county. He's had "mention" of some sort ever since, but this year he not only topped his county, but his state as well, and finally took the hard-sought regional crown. Since the contest has grown into friendly rivalry between the six state governors of the region, the honor makes Walt top man in the eyes of Gov. Paul A. Dever, and the whole Bay State is proud of him.

To Walter Hurlburt, however, the honor plays second fiddle to the main benefit his pastures represent:

- He is a professional farmer and Holstein breeder.
- His whole livelihood is wrapped up in his milk production and seed-stock sales.

If the contest were staged for glory alone, Walter Hurlburt would have neither the time nor the required investment to compete. It just so happens that the goal of the contest is also the goal that Walt would strive for, contest or no. For he has long since recognized that the production of his herd (and his net profit at year's end) depends directly on the amount and quality of the roughage he produces.

To you cornbelt farmers, Walt's 300-odd acres may sound pretty spacious. But in Ashley Falls, under the shadow of Mt. Everett, second highest point in the state, a good share of those acres would challenge a mountain goat. Timber, rocky ledges and mountains take up all but 135 acres of Hurlwood Farm, leaving Walt very little land to support his hungry 100 head of Holsteins. His problems are resolved under two main headings:

(1) Taking 135 acres in small, odd-shaped plots and making them produce the maximum of pasture, hay and silage.

(2) Seeing to it that every cow in the barn is a top producer, and that she makes the best possible use of the roughage he can raise.

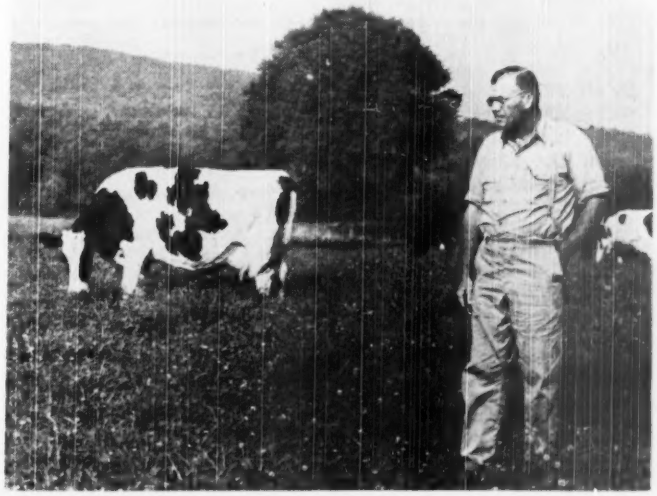
Excellent pasture management has solved the first of these.

Registered Holsteins, and a superb home-bred breeding program have solved the second.

First of all, then, let's see how Walter Hurlburt makes those pastures grow.

Mapping the farm is first. Each and *every little plot is tested* and studied. Then the *proper "crops" are sown* and the *all-important rotation begins.*

Walt *starts his cows out on rye* in the early spring. *Then* they go *onto young wheat.* By this time *the early Ladino acres are ready.* These *(Please turn to page 14)*



Walter Hurlburt watches his 12,000-pound Holsteins on his prize-winning pasture.

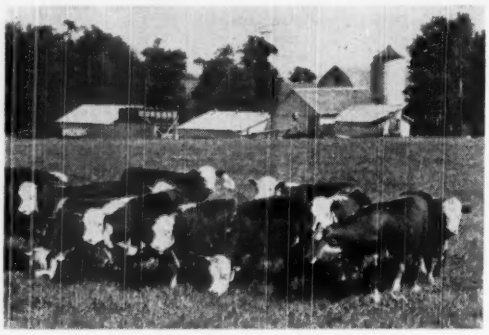
a Guns-and-Butter market

VICTORY in South Korea means no let-down in preparedness. We are going to keep our guard up. So says Commander-in-chief Truman, who has shucked many a down-row in seasons past out there in Missouri.

Spending for armament will continue to grow over the next 8 to 10 months. To provide "guns and butter," factory output will hold near manpower and material limits. With a green light from the Administration, another flock of wage increases probably is ahead. Spendable income will go to new high levels in spite of increased personal taxes. The upward spiral of wages and industrial prices will continue until control brakes are applied. Good Korean news and waning fear of World War III have brought a lull in new buying, but plants are already booked for months ahead.

Preparedness calls for all-out production of meat and wool next year. All the makings—the feed, the breeding stock, the know-how and, at present prices, the incentive—are available. Washington is likely to go slow in using price control powers and hamstringing the motive to produce. Meat supplies this year will be about 22.4 billion pounds, up ¾ billion from 1949, according to the American Meat Institute. An increase of another billion pounds in 1951 is already in the cards, if the bureaucrats don't mess with the incentive. Three million men in the armed forces will need nearly one billion pounds, or 4% of the total meat output.

● BEEF CATTLE of Good and Choice grade probably will be steady to lower in price in the next two months. The usual trend is down from fall to spring in seasons of good corn crops. The supply of well finished cattle is likely to be rather heavy for the time of year, since a good many longfeds—certainly a lot more than last year—are still in feedlots. The advantage of carrying into December last year and the favorable feeding ratio indicate generous arrivals in the next 30 to 60 days. Competition from cattle that have been fed 60 to 90 days will increase. Pork and poultry, which bid directly against beef for the housewife's meat dollar, will become more plentiful in the next six weeks. Prices for strictly prime steers may be an exception and stay up until December.



MEDIUM and LOW grades of cattle probably will be weak in November, followed by a rising trend. The grass cattle movement through September was about one-third less than last year. Good grass and extremely good hay prices encouraged holding. Shipments at the end of the grazing season are likely to be heavy even though more cattle are being carried over to build up range herds. The prewinter cleanup of common, cutter and canner grades probably will take place as usual. Feeder demand is likely to diminish and leave more of the inbetween offerings to the packer.

● STOCKER and FEEDER cattle prices usually are at the low point of the season in November and December. They buckled a little in late September and early October. Peak of demand, including the buying to use soft corn, is likely to be satisfied by late October. The extremely narrow spread between feeders and fat cattle will add to buying caution.

It seems well to top out old-crop fed cattle on price bulges without waiting for extreme finish. Cattle taken out early for short feeding should be cashed whenever a fair profit can be had.

If you can handle them, buy feeders at the lower prices likely to prevail in the next few weeks to average down the cost of early purchases. Also, *now's the time to buy common and inferior feeder cattle, if thrifty, to finish for the spring market.*

● HOG prices are likely to continue to decline for another month or six weeks. The odds favoring a decline are about 4 to 1. November receipts are likely to be 20 to 30% over October, but both consumer and storage demand will broaden as pork and lard become cheaper, so that prices may not lose more than 10%. The supply is likely to increase still further by mid-December and prices are likely to be slightly lower then. After a letup during the holidays, the supply will rise again in January, but demand frequently broadens enough by that time to prevent prices from violating the December low point.

Last winter's low mark was an average of around $14.90 a cwt. for barrows and gilts at Chicago. Although the hog crop is larger and producers are adding to tonnage by carrying to slightly greater weights than a year ago, the price decline probably will stop $2 to $3 over last year's low.

It will be well to *sell the spring crop down to 200- to 225-pounders in early November, if they are well finished,* and give the hog market absent treatment from about November 20 to December 20 when prices usually are making their winter bottom. Holding for a little more weight during and after that time is likely to pay. *Head the fall pigs for the February-March market. And breed more sows for spring litters* than last year, keeping in mind your prospective feed supply.

● LAMB and SHEEP prices probably will fluctuate near recent levels for the next month or six weeks, but may start an upward trend late in the year. Strong demand for feeding and *(Please turn to page 17)*

IN NOVEMBER—

Sell finished hogs closely, now. Avoid low late November and December market.

Check early fed lambs closely for finish before marketing.

Buy off-type feeder cattle with good bone and middles to finish for spring.

Breed extra sows for early spring litters, if your feed supply warrants.

Give milk cows 70% or more of their nutriment in forage.

Contract your next year's wool clip—when you are offered a fantastically high price.

Buy breeding ewes if you can find any reasonably.

Top out old crop fed cattle at Good to Low-Choice finish; sell Shortfeds when you have a profit in them.

Buy any cheap soft corn you can use during winter. Base your price on the ears' dry matter content.

Buy seed of improved varieties of clover, alfalfa, timothy and sudan grass while it can be had at all.

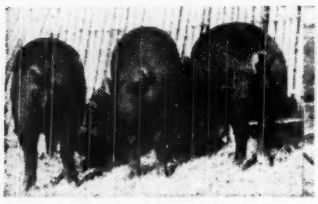
Finish repairing buildings; replace broken windows; prepare for winter.

Go slow in building greater poultry flock capacity, especially if you have to use credit.

Meat Barrows Set the Type at Hog Show

Grand Champion Hog at the National Barrow Show, Austin, Minn., Sept. 13-16, was this Poland China from the FFA Chapter, Stillwater, Okla. Bill Felton, Oklahoma's assistant supervisor of agricultural education, poses him with the cane.

A MIGHTY smooth Poland China pig that weighed 225 lbs. at 5 months and 18 days was the grand champion at the National Barrow Show, three Hampshires made up the grand champion pen, 15 Berkshires bred, fed and shown by a bunch of orphan boys comprised the top truck load, and a Yorkshire that was 33 inches long from H-bone to front rib proved the high yielder on the block. The second-prize Hampshire boar—yes, both boars and gilts farrowed after Feb. 1, 1950, could join brother barrow and exhibit in classes provided by every major breed except Spotted Poland Chinas and Inbreds—sold for $2,210 in the purebred auctions. Some 228 farmers from 16 states and the Dominion showed, in the new pavilion on the Mower County Fair Grounds, some 2331 hogs for $29,386 in prize money, and sold 1,231 barrows averaging 212 lbs. apiece for $26.26 a cwt., $5.26 above the market. Duroc-breeding Hank Zavoral, Minnesota's universally popular swine extension man who has been present at as many hog shows as any living observer, said it was the greatest collection of barrows he had ever seen and furthermore



Hampshires had the biggest show at Austin. Here is the grand champion pen over all breeds, shown by Bi-Lane Farm, Pennville, Ind.

that "it is having a real effect in bringing forward the type of hog which produces the cuts the housewife likes."

When you want to judge a hog it is well to stand off and take a good look at him from a distance, before you check that impression by walking him around and putting your hands on loin or side or ham or jowl. We are now far enough away from the 5th annual National Barrow Show at Austin, Minn., Sept. 13-16, 1950, to formulate some general impressions on how it relates to our tremendous pork-producing industry on the farm—the department with the quick turn-over and the ready conversion of coarse grain into red meat. Men came home from the Barrow Show thinking like this:

There is a close relationship between a boar pig farrowed only last spring, weaned and weighed at 56 days, castrated, grown and finished by fall, and the most productive type of its sire and dam that the farmer should keep—the middle-of-the road, meat-type hog, with health and growthiness bred right into its bone and tissue. . . . All the breeds, from the so-called American lard hogs to the English bacon hogs, are coming to the same type; there is more difference in the color of the hair than there is in conformation. . . . Our farmers can give the packers and the public just about what they want in the shape of a hog, if they will only remember that the animal has to have a head and a gut. . . . Corn-Hog is the name of the most profitable ratio in our farm economy; corn must always have the biggest bin in a self-feeder; pigs thrive on pasture of course, when you supplement corn with grazing, but the porcine stomach, unlike the ruminants, has only one compartment. . . . You can gain all the kick of hybridization by crossing unrelated bloodlines *within* any of the big breeds, if you want to stay purebred. . . . When it comes to perfecting an efficient meat-making mechanism out of old Sus scrofa—for converting corn into pork anyhow—you American farmers have no rivals. . . . And finally, the Grand Prize for public relations, as between processor and producer anyhow, goes to Geo. A. Hormel & Co. in sponsoring the National Barrow Show at Austin, Minn., their home town.

This year the Hampshire breed made the most capital of this great show, with 48 breeders sending forward 621 belts. They had the grand champion pen (3) in a trio which Art Meyers brought up from Bi-Lane Farm, Sabina, O., and Pennville, Ind. The middle barrow of that pen was the reserve champion single barrow of the show. From Nemaha Co., Neb., Mr. and Mrs. Edwin D. Hahn brought in a breeder-feeder litter sired by their State Fair champion last year. Their litter won 1st place all right, and the gilt was champion belted female, bringing $525 from Model Farms, Mundelein, Ill. The boar, named "The President," only got second in class though, being bested by a son of last year's champion boar here, belonging to John Benesch & Sons of Butler Co., Neb., who auctioned him for $1,150 to Gilkey Farms, over at Owatonna. Then Benesch & Sons turned right around and paid $2,210 for "The President." The Hahns brought 4 head of Hamps to Austin and went home with $4,390. The 15 prizewinning Hampshire boars were sold at an average of $456, and the 15 gilts @ $218.66.

Oh yes, and a Hampshire barrow, No. 6 from Bi-Lane Farm, turned out to be the champion carcass of all the 128 on the hooks. *(Please turn to page 18)*

Farmers Watch APF

NEARLY 5000 farmers attending Indiana's 30th annual Swine Day on Sept. 15th at Purdue University learned that while APF added to the swine ration increased the rate of gain by approximately 1/3 of a pound per day, neither the amount of feed required per hundred pounds of gain nor the cost of gain was materially changed by the addition of APF to the ration. For the average farmer, this would mean that he could have his sows farrow from 2 to 3 weeks later and still market his hogs at the usual time. This might mean enough difference in the weather so that the average farmer could save one to two pigs more per litter, which would certainly be a profit factor.

Purdue's experimenters reported on a number of different ways in which the value of Animal Protein Factor was checked. Regardless of whether it was on dry lot or good pasture; and regardless of whether APF was added to straight vegetable protein supplements or those containing animal proteins, the results were about the same. Apparently, this added daily gain obtained by the addition of APF to the ration went largely to fat, for the carcasses of hogs fed APF carried approximately 10% thicker fat back and about 10% more lard when compared with the carcasses of hogs fed the same ration with the APF omitted.

Summarizing, the farmers were told that the "chief advantage of feeding APF in the different experiments was the increased rate of gain of the hogs, rather than any marked improvement in the efficiency of gain."

Another experiment on which Purdue animal husbandmen reported was one in which nutritional deficiencies were studied as a contributing cause to death losses in pigs. Four lots of spring gilts were used, averaging 60 pounds early in June, 1949. They were fed exactly alike until Sept. 14 when they were changed to their respective gestation rations prior to breeding in November and early December.

The four lots received a basal ration of 71.15 lbs. ground yellow corn; 12 lbs. soybean oilmeal; 15 lbs. of 18.6% protein, high carotene, alfalfa meal; 1.1 lbs. steamed bone meal; .5 lb. of iodized salt; and ¼ lb. of concentrated cod liver oil. Lot 1 received this ration alone. Lot 2 had this ration plus 72.64 grams of APF per cwt. of feed. Lot *(Please turn to page 13)*

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Sunbeam
STEWART
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A Perfect XMAS GIFT for the Dairy Farmer

CLIPS Cows, Horses Mules, Dogs, faster, better

Clip your animals faster, easier with the new Sunbeam Stewart Clipmaster. Has a quiet, 30% more powerful, air-cooled, ball-bearing motor inside the Easy-Grip handle. Anti-friction tension control assures perfect tension between blades, provides easy adjustment. $34.50 at your dealer's. (Denver & West, $34.75.) Grooming brush, drill head and sheep shearing attachments, available at slight extra cost, give Clipmaster year-'round use.

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Dept. 12, 5600 W. Roosevelt Rd., Chicago 50, Ill.

Fresh bog spavin? "Clear it up fast with ABSORBINE"
says C. W. Pace of Longmont, Colorado

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A stand-by for over 50 years, it will not blister or remove hair. Only $2.50 at all druggists.
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NUTRITIONAL RESEARCH ASSOCIATES
Department 13 South Whitley, Ind.

Sheep Farmers Elect

AT the annual meeting of the Central States Sheep and Wool Association, Inc., held at the Stock Yards, Louisville, Ky., on Sept. 16, 1950, it was voted by the membership to change the name to ASSOCIATED SHEEP FARMERS OF AMERICA. A yearling western ewe, bred to a purebred ram—symbolizing the accepted method whereby a farmer can get started with a little flock of sheep—was sent to Louis Paeth, Deerfield, Ill., for suggesting the new name. Letters of thanks were sent to contestants who proposed 62 other names for the organization.

Officers of Associated Sheep Farmers of America were elected as follows: President, Samuel R. Guard, 220 Livestock Exchange, Louisville 6, Ky.; Secretary-Treasurer, E. H. Mattingly, 61 Angelica Street, St. Louis, Mo.; Vice-Presidents, A. W. Wells, R. 2, Bardstown, Ky., and James Harshman, Union Stock Yards, Wichita, Kans. The following trustees were elected: Jesse Hewens, Ypsilanti, Mich.; L. T. Dwyer, Franklin, Ind.; Jack Dennis, St. Charles, Ill.; H. P. Morancy, Lebanon, Ky.; E. B. Thompson, Milan, Mo.; Charles F. Osborn, Lafayette, Ind.; Herbert J. McBrayer, Elliottville, Ky.; Ralph A. Page, McLeansboro, Ill.; Tally Kitchens, Greensboro, Ala., and H. K. Gayle, Lexington, Ky.

The next meeting of the Sheep Farmers will be held at Chicago during the International Sheep Show, Nov. 25-Dec. 2.

● The two Suffolk record societies may merge. The National Suffolk Sheep Association sent a committee of three—Secretary C. A. Williams, Middleville, Mich., with John G. Cunningham and Fred Dickes of Indiana—to the annual meeting of the American Suffolk Sheep Society, held in Salt Lake City, immediately preceding the National Ram Sale. The American Society appointed a committee to work with the National committee on ways and means of consolidating the two organizations. Last year, in 1949 that is, the American Society registered 6,306 Suffolks and the National Association 3,754.

The annual meeting of the American Suffolk Sheep Society elected R. E. Winn, Nephi, Utah, president. Prof. C. W. Hickman of the University of Idaho at Moscow was re-elected secretary. He reported that 6,487 American pedigrees were issued to purebred Suffolks this year.

● Two crops of lambs a year have been obtained on 320 western ewes kept on the Naval Range near Hastings, Neb., by Armour & Company's progressive research laboratory. Each ewe was treated with a hormone called "gonadotrophin," which induces a heat period right after spring lambing, so the ewe would breed in April and lamb in September again. If the hormone is produced in volume, Dr. Frank Gassner, of the Colorado experiment station, who supervised the experiment, says the cost can be brought down to 25 cents a head for the hypodermic injection in the wool-free fold between foreleg and body.

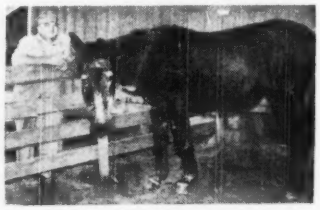
A total of 535 sheep were treated with the hormone; 320 responded and were bred. Armour and Company is planning a much more elaborate series of experiments to determine the best timing, dosage, and hormone formulae. A group of yearling ewes will be maintained on the double breeding cycle for a lifetime to see if the ewe's normal reproductive life of 6 to 8 years is affected. Tests will also be run on various breeds of sheep; some, like the Dorsets, have a natural tendency toward a double breeding cycle. Most lambs are born from January to April, after a gestation period of 145 days or so. They reach the ideal market weight of about 85 lbs. in 4 to 5 months. A second crop of lambs, born in September, would fit well into the sheepman's schedule. They would graze on late pasture, then be fed through the winter. At some seasons of the year under the present system, most lambs available have grown much heavier than the best market weight. They weigh up to 120 pounds and yield 10-pound legs instead of the 6-pound roast the average family prefers, conclude Garvey Haydon and Jack Dennis for Armour & Company's sheep department.

● In the Bred Ewe and Commercial Ram Sale held at the Wm. F. Renk & Sons Farms, Sun Prairie, Wis., on Sept. 25, 79 sheep sold for an average of $170.24, and 36 Suffolk ewes made an average of $217.19, with a yearling ewe at $600 to the E. B. Thompson Ranch, Milan, Mo. The 26 Hampshire ewes averaged $128.84 and 17 commercial rams $104.

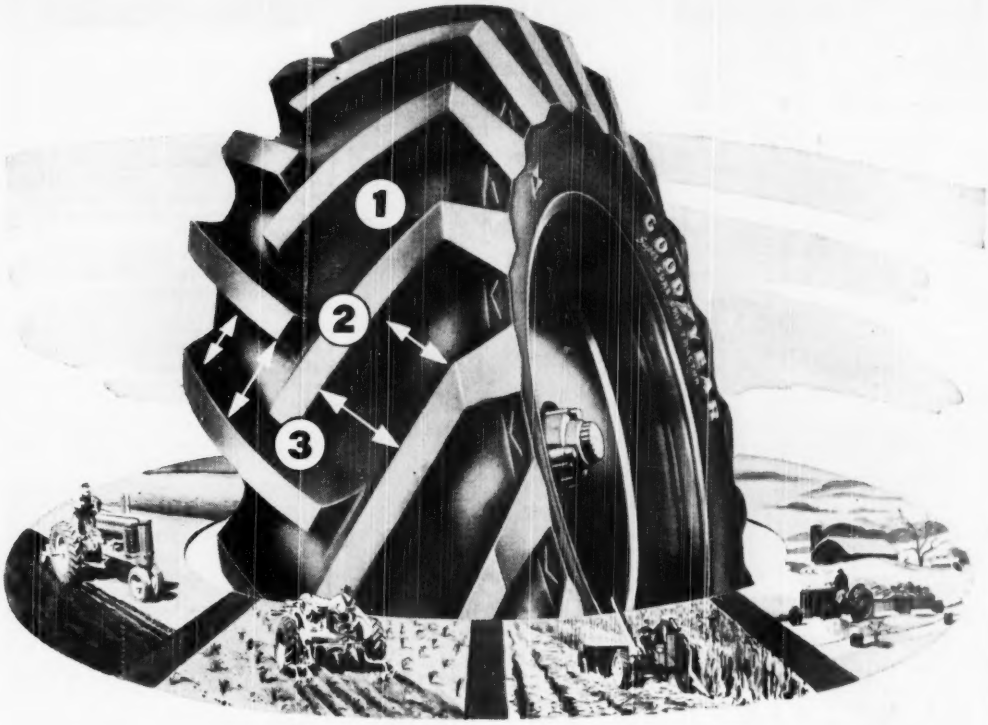
Can You Beat It?

WEIGHT per ago, tons or bushels per acre, time spent on a farm job—from these factors will arise the new efficiency in agricultural production. So we're going to start a new "department" and print here unusual records that we get from you. Who knows how many champions we may uncover?

For any answer to this question—Can You Beat It?—in form of letter or photograph that we can publish we will award a 10-year subscription to Breeder's Gazette, priced at $5.00. If you do not want the paper that long yourself you can send it to some neighbor. We'll make a stockman out of him, and a good one. Mail your Beats to the Editor, Breeder's Gazette, Stock Yards, Louisville 6, Ky.



A mare mule, "Old Jinny," foaled in the spring of 1908, is now owned by Harold Bierman, Norway, Ia. Harold says that her teammate died in 1928, but "Old Jinny" hangs on, alert enough to know whenever he leaves a gate unlatched. This photograph is sent to us by Rex B. Conn, Farm Editor of the Cedar Rapids "Gazette," as a challenge to our entire Breeder's Gazette family, wanting to know whether we can produce a mule that is older. We are sure that some of you can do this, and that our 43-year-old mule will be up and in harness every day!



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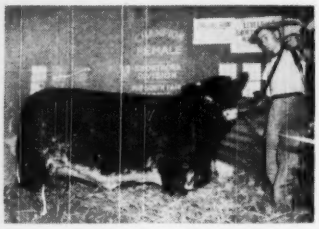
WHEN IT'S AN Exide YOU START

National Shorthorn Show at Memphis

THREE hundred horned and polled Shorthorns came from nearly 50 herds to the 1950 National Shorthorn and Polled Shorthorn Show at the Mid-South Fair, Memphis. They gave southerners an outstanding spectacle of the reds, whites and roans. Although somewhat smaller than the first event, held in Kansas City last year, the show was truly representative of the tops in both divisions of the breed.

Veteran showman Les Mathers and his footsteps-following son of Mason City, Ill., captured the female championship honors on their junior yearling, Leveldale Crocus, and the reserve champion bull honors on Aldie Apex, a summer yearling which stood second in class to the champion bull.

A pair of Hoosiers divided the other two purples between them, Hollis Hanson



Here is Leveldale Crocus, 1950 Nat'l grand champion female for the Mathers firm of Shorthorn farmers at Mason City, Ill.

of Connersville, Ind., taking the grand champion bull honors on Sunset Bounce 25th, and Mr. and Mrs. E. M. Sims, Elkhart, Ind., the reserve champion female ribbon on Elcona Baroness.

Individual blue ribbon winners, other than the champions, were:

Edellyn Farms, Wilson, Ill., two-year-old bull; senior bull calf; junior heifer calf. Edellyn also had first-prize group of three bulls; group of two bulls and best ten head of the show.

Helfred Farms, Des Moines, Ia., had first-prize junior yearling bull, two year heifer, senior heifer calf, and the best pair of calves.

Arnold Bros., Sterling, Ill., topped the senior yearling bull class, while J. A. Collier, Fletcher, Okla., had the blue-ribbon junior bull calf.

In addition to the championship winner, Hanson Heights Farm stood sufficiently high in all their classes that they had both first- and sixth-prize senior get-of-sire and second-prize junior get-of-sire. Lo Mar Farm, Sharpsburg, Ill., captured their only blue ribbon on their junior get-of-sire, while O. W. House, Washington C. H., Ohio, had a single blue on his summer yearling heifer. Mathers had the first-prize pair of females, bred and owned by exhibitor, as well as the first-prize pair of yearlings.

Polled Shorthorn breeders managed to land two animals in second spot, C. B. Teegardin & Sons, Ashville, Ohio, getting this job done in the junior yearling bull class, and Lynnwood Farm, Carmel, Ind.,

Nat'l Shorthorn Show judge Herman Purdy, of Ohio State Univ., goes over the first prize females to select his champion. His decisions were well received.

duplicating in the junior heifer calf class.

In the sales which followed the show, 28 Polled Shorthorns sold for a $564 average, 18 females averaging $545 and 10 bulls, $599. Top of the Polled Shorthorn sale was Lynnwood Bruce, champion of the pre-sale show for Lynnwood Farm. He was purchased by W. A. Rathburn of Kentland, Ind. The top female was Oakwood Juno A, consigned by C. B. Teegardin & Sons. Bert Fields, Dallas, Tex., paid $700 for her.

In the sale of horned cattle the same afternoon, 53 head averaged $642, the 26 bulls $701, and 27 females $584. C. B. Coble, Mount Ulle, N. C., paid F. W. Harding $1480 for Uppermill Referee to top the bull section. Trinity Missie Lassie topped the females at $1025; she was consigned by True Buckmaster, Portland, Ind., and was purchased by Dr. Porter Rodgers, Serasee, Ark.—RALPH W. POULTON.

POST CARD Library

"OUR son is in his second year at the state ag college," says a subscriber's letter, "and we find the literature from your Post Card Library a big help in keeping up with some of the things he is learning. One of those booklets on corn helped us to get a bigger yield this year too."

There's no charge for any of this material. Just send postcards to the addresses listed and ask for the booklets you want. We'd be glad to have you mention BREEDER'S GAZETTE when you write:

Livestock Service Council, Bourbon Stock Yards, Louisville 6, Ky. **"Public Livestock Markets"** (tells how the central markets operate).

Ohio Experiment Station, Wooster, O. **Bulletin No. 686 "Father-Son Farming"** (how to set up a family partnership that will work).

F. M. Simpson, Agricultural Research Department, Swift & Co., Union Stock Yards, Chicago 9, Ill. **"Meat and the Mississippi River"** (one of the elementary science series which tells about the production and marketing of your livestock).

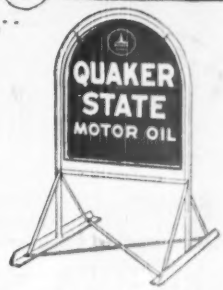
Purdue University, Lafayette, Ind. **Bulletin No. 549, "Crop Costs and Returns"** (figures based on 3 counties in S. E. Indiana, but a good basis for comparison with expense and profit items on any farm in the cornbelt).

Portland Cement Association, 33 W. Grand Avenue, Chicago 10, Ill. **"Dairy Farm Improvements"** (plans and construction details for barns, milk houses, cooling tanks, etc.).

Illinois College of Agriculture, Urbana, Ill. **"Ladino Clover"** (how to seed and harvest this giant white dutch forage crop).

Farm Landscape Co., Box 230, Urbana, Ill. **"Stock-Tite"** (when and how to plant a multiflora rose hedge, including a map showing where it can be grown most successfully).

"Pick your partner ...each and all Quaker State is best —for fall!"



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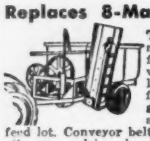
New Low-Cost Portable Mixer Replaces 8-Man Feeding Crew



Transit-Mixer lets one man, **in one hour**, do the feeding job of 8 men working all day! Just load Transit-Mixer with feed ingredients or bulk grain, mix them in transit as you drive to the feed lot. Conveyor belt unloads feed automatically as you drive along bunks. Easily controlled from truck cab or tractor seat. Rugged construction, built to last a lifetime. 2000 to 6000-lb. sizes, truck or trailer mounted, for big or small feeders. Amazing low cost, soon pays for itself. If you are still wasting your time and dollars on expensive old-fashioned manual feeding methods, stop and think what a tremendous saving the Davis Transit-Mixer can mean to you. Now—write for free literature and low prices on the Davis Transit-Mixer!

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Solid brass marker plate and brass-plated chain for horns or neck. Write for folder.

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This new Gehl Power Take-Off and its six V-belt drive avoids the usual power loss and speed variation due to tight tractor belts or belt slippage. It holds the mill steadily to the speed at which grinding action is most effective and further increases the well known high efficiency of the Gehl Mill... steps up its grinding capacity as much as 50% with the same power.

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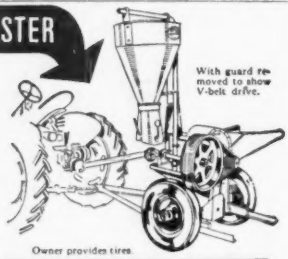

With guard removed to show V-belt drive.

Owner provides tires.

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The Gehl Power Take-Off Hammer Mill Drive is easily and quickly attached. Can be had complete with new Gehl Grind-All Hammer Mill, or for use with any Gehl No. 41 Mill you may now own. *With transport truck, which is optional,* you can store mill where convenient...or hitch to tractor and go anywhere to grind.

THERE'S NOTHING BETTER THAN A GEHL!

by Carl W. Gay

1. Upon what structures does the bit of the horse's bridle make contact? The bars (that region of the lower jaw between the incisor and molar teeth), tongue, angles of the lips, premolar teeth in some instances and the skin of the groove on the under surface of the lower jaw, in case of a curb bit.

2. What is the program of proving beef bulls at the Range Livestock Experiment Station, Miles City, Mont.? Calves are given a 200-day feeding test right after weaning and those making most rapid and economic gains are selected as sires. It is found that ability to "do" well in the feedlot is a matter of inheritance and the best "doing" calves themselves sire the best calves by feedlot test.

3. How extensive are horn injuries to cattle? U.S.D.A. estimates 8,000,000 lbs. of carcass beef damaged by horns in 1949.

4. How many proved sires' records were tabulated by the Bureau of Dairy Industry in the year closed Jan. 1, 1950? 4,356.

5. Is rye a satisfactory substitute for corn and other grains for feeding hogs? No, it is very unpalatable and must therefore be combined in small quantities with corn, wheat, barley or by-products that hogs do like.

6. Is the Tennessee Walking Horse of recent origin? Not as a type, since plantation walking horses were standard equipment before the advent of the automobile. It is comparatively recently that an association has been formed to register pedigrees and promote them as pleasure horses.

7. Why is the finest lard rendered from the leaf fat? Because these leaves of clear fat formed on either side of the lower abdominal region are purest and freest of connective and other tissue of any fat in the body of the hog.

8. Why are Dorset ewes favored for Hot-house lamb production? The Hot-house lamb season (Christmas to Easter) and the preferred age (8 to 12 weeks) make summer breeding necessary and Dorsets regularly come in heat then, while ewes of most other breeds do not.

9. Is the calcium in the cow's milk in proportion to the calcium in the blood? No, milk, the richest food source of calcium, contains 14 times as much calcium as the blood of the cow.

10. Who first practiced dilution, now generally used, in artificial insemination? Two Japanese, Yamana and Kato (1928). The Russians refined and developed the Japanese technique and practiced it extensively on the collective farms.

Farmers Watch APF

(From page 7) 3 received the same as Lot 2 plus 55 cubic centimeters of vitamin E per cwt. of feed. Lot 4 received the basal ration plus 2 lbs. of condensed fish solubles per cwt. of feed—to provide APF in natural form. 12 gilts were in each lot.

In Lot 1 nine gilts farrowed, averaging 8.6 pigs per litter, 2.2 lbs. per pig at birth. Only 51.9% of these were strong pigs and 7.8% were still-born. An additional 24.7% died by the time they were 3 days old, and only 4.8 pigs were weaned per litter.

In Lot 2 ten of the 12 gilts farrowed, averaging 9.7 pigs per litter, 2.36 lbs. per pig. Only 1% of these were still-born and 63.9% were strong pigs. 10.3% died during the first 3 days and the gilts weaned an average of 7.5 pigs per litter.

Ten of the gilts in Lot 3 farrowed, averaging 9.4 pigs each, which weighed 2.49 pounds per pig. 79.8% of the pigs from the sows with the APF and Vitamin E were considered strong, although 7.4% were still-born. 8.5% died during the first 3 days, and 6.9 pigs per litter were weaned.

In Lot 4, ten gilts farrowed an average of 10 pigs per litter, weighing an average of 2.22 pounds per pig. 52% of these were considered strong pigs and only 2% were still-born, with another 10% dying the first 3 days. Average weaned was 7.1.

Since alfalfa is commonly fed as a substitute for green pasture in the gestation rations of sows and gilts, this study was primarily to determine whether or not the alfalfa meal contains adequate amounts of the unknown factors essential for the proper development of the unborn pigs. The results indicated rather definitely that even with high quality alfalfa meal, those unknown factors are not always present in sufficient amounts, as indicated by the small pigs at birth and the relatively high death loss during the first three days after birth. The experiment also indicated that the addition of vitamin E to supplement both APF and alfalfa meal during the gestation period resulted in heavier pigs at birth and also a higher percentage of strong pigs and a lower death loss during the first three days after birth. While the gilts receiving the 2% condensed solubles as a natural source of APF farrowed smaller pigs, they did farrow the largest litters and, though small, the pigs possessed good livability.

The gilts receiving the basal ration weaned only 55.8% of their pigs, while the other three lots, having supplemental treatments, weaned from 71% to 77.3% of the pigs farrowed. This indicates that any one of these supplemental treatments of the gestation ration is very beneficial in the number of pigs weaned.

Not only at Purdue, but at the Ohio, Missouri and Minnesota Swine days, it was learned that while APF will not materially reduce either the pounds of feed required per 100 pounds of gain nor the cost per 100 pounds of gain, the addition of APF and other nutritional aids to the rations of both breeding animals and fattening animals bring about results which may add quite a bit more profit to the average hog feeding operation. Like many of our newly developed drugs, APF is not a miracle worker and does not take the place of good management practices nor sanitation in any way. Neither will it halt the need for careful selection and breeding programs. The ability to use feed efficiently—that is to produce 100 pounds of gain on a specified amount of feed—seems to be an inherited character, rather than a feeding problem.—RALPH W. POULTON.

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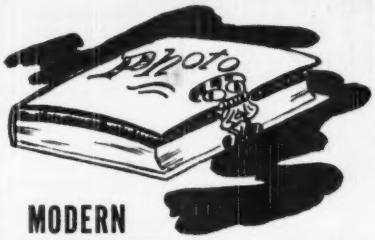
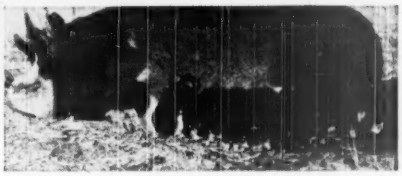


MORE LITTLE PIGS IN THE PICTURE TODAY

MODERN

30% SOW PELLETS

help the sow to farrow larger litters of healthier pigs.



Extra pigs put extra profits in the picture . . . those pigs over five in a litter that reach the market!

Give the little pigs a chance to make good! Feed their dam ARCADY 30% SOW PELLETS . . . containing every feed ingredient known . . . to maintain bred sow or gilt . . . to develop large, strong litters . . . to build body reserve for nursing period.

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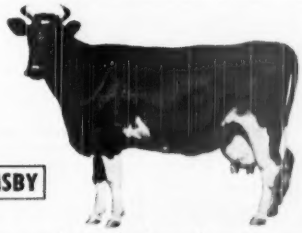
ARCADY IS THE HOUSE OF QUALITY with "A Modern Feed and Feeding Program for Every Farm Need."

MANAMAR salutes

YANKTON LOUISE ORMSBY



The Yankton, S. D., State Hospital herd this year became the fourth herd of 40,000 members of the Holstein-Friesian Association of America to receive the Progressive Breeders' award on the basis of advanced registry records alone. Yankton Louise Ormsby's 773 lbs. of butterfat in 365 days with a 3.5 test as a five-year-old helped to raise the ManAmar-fed herd average.

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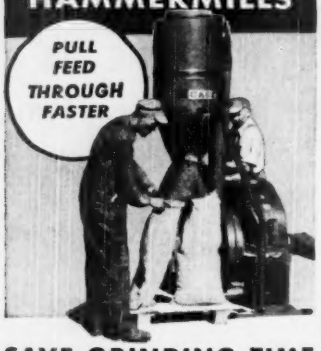

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If your discomforts are due to these causes, don't wait, try Doan's Pills, a mild diuretic. Used successfully by millions for over 50 years. While these symptoms may often otherwise occur, it's amazing how many times Doan's give happy relief—help the 15 miles of kidney tubes and filters flush out waste. Get Doan's Pills today!

Home-Bred Holsteins

(From page 5) fields are rotated *until silo-filling time when the cows go onto the oats.* While they're munching these, *out go the field choppers* and the *silos are filled with grass silage* from the early fields. Walt believes in taking grass silage while it's very young and last year he had all his grass silage in by the first of June.

Next the cows are rotated according to the feed available. What's left makes *2nd and 3rd cutting hay*—baled and stowed away.

Fields are clipped every time they're pastured . . . *clipped down close* to control natural grass and weeds. This makes a thicker stand.

A couple of fields (on mountain tops and otherwise unsuited to pasture) are *planted to alfalfa and used for hay.* Both the Ladino and alfalfa stands are *seeded with Brome mixture.* The very *wettest land goes into Reed Canary grass with some of this in Ladino as well.* Walt says Ladino will grow in wetter spots than most folks realize.

When the silos settle later on in the year, *they are filled with Sudan.* Walt needs every inch of silo space and in this way he fills all silos right up to the top. He doesn't wilt his grass silage, but does *add 80 pounds of molasses to the ton* for extra feed value later on.

Walt's fields are all fertilized, most of them receiving 500 pounds of 0-14-14 per acre twice a year. This schedule is skipped once when manure is used. He uses no extra nitrogen (beyond manure) since the legume crops provide this element. He does use a little nitrogen at seeding time, however.

To start his stand, he plows the old sod twice, *seeding Sudan or wheat between plowings.* This gets rid of natural grass and weeds. The land is then seeded according to the following schedule:

LADINO—3 lbs. to the acre. (Walt feels this can be increased profitably to insure thick stands.) BROME—8 lbs. to the acre. ALFALFA—10 lbs. to the acre.

Mr. Hurlburt raises no mature grain crops at all. No corn. No threshing.

That then, in a nutshell, is his farming program.

Now, how does he utilize his wealth of roughage? Well, his feeding ration tells the story.

In summertime, the Hurlwood cows (between 40 and 50 head in the milking string) get *100 pounds of 12% dairy ration in the morning and 100 pounds of citrus pulp at night.* This is 100 pounds FOR THE WHOLE HERD, around 2 lbs. per cow.

They also get *hay in their mangers* at milking time and of course *all the pasture* they can use.

Just the other day the local tester arrived and they weighed 1600 lbs. of milk from the herd (39 cows that day) representing one ordinary day's production on the feed enumerated above.

In winter Walter feeds *100 lbs. of grass silage per cow, along with 5 lbs. of hay, and grain fed on ratio of 1 lb. grain to 6 lbs. milk.*

On this diet (starvation, according to grain-feeding dairymen) the herd strikes a *Herd Test average of over 12,000 lbs. of milk and 454 lbs. fat per cow,* with an over-all average 3.8% test. This is made

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HOG CHOLERA
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Insist on REX OIL—the wheat germ oil with hormone activity—you must be satisfied or your money back. Write for free booklet.

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NOW YOU CAN ADD A.P.F.-3+

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Take Advantage of This TRIAL OFFER
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Enough for 1000 lbs. of feed. Post Paid. Order today direct

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"Old at 40, 50, 60?" —Man, You're Crazy

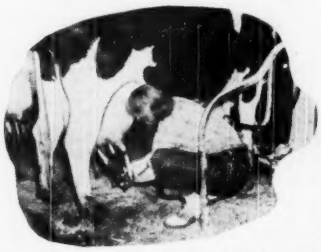
Forget your age! Thousands are peppy at 70. Try "pepping up" with Ostrex. Contains tonic for weak, rundown feeling due solely to body's lack of iron which many men and women call "old." Try Ostrex Tonic Tablets for pep, younger feeling, this very day. New "get acquainted" size only 50c. For sale at all drug stores everywhere.

on strictly practical twice-daily milking.

Now, 454 pounds of fat is not a world-record herd average. One look at the cows in Walt's barn tells anyone with an eye for cattle that this average could be raised considerably if the cows were "pushed." But today's costs of dairying do not allow much "pushing." What the modern dairyman strives for is not only production but ECONOMICAL production, and there's where our Pasture Champion shines.

He gets this average with very little purchased feed. He also has the kind of herd average that spells efficiency. His top cows are in the 600-700-lb. fat production bracket. This simply means that his "average" is a true average; his barn just doesn't have any shirkers. Each and every cow is doing a full day's work, and doing it at lowest possible cost.

This brings us up to the cow story which has been overlooked in much of Walt's



Daughter Ann proves girls can help, too. Here she puts the milker on one of Dad's 6,000-quart home-bred Holstein cows.

pasture publicity. It's a story, however, that means much to the real farmers who visit Walt's place . . . and to Walt it means just about everything.

Walt's herd is remarkable in many ways. First of all, its *a home-bred herd.* The story goes back to 1889 when Walter Hurlburt's grandfather and father took possession of the place. For many years, it was a better-than-average grade dairy farm. After Walt came back from service in the first World War, he finished college at the University of Massachusetts. After working out a bit, he came back to the home farm. In 1923 Walt and his father, Ralph Hurlburt, started a purebred herd . . . just a few animals at first.

They liked the purebreds, these Hurlburts, and before long, the herd was 100% registered.

Ever since they have studied bloodlines and have built a herd that's well-respected within the breed. They showed at Eastern States Exposition from the very beginning and still are represented at Springfield each year.

The Hurlburts' first herd sire, Nutmeg Walter Colantha, combined with their foundation cow, Veeman Pietje Ormsby, established for them a family which has been outstanding for type and production. From these they built the herd of today.

The original sire is the sire of Hurlwood Sir Segis Walker, named All-American Bull Calf and later All-American Senior Yearling, and Hurlwood Sir Segis Walker 2nd, Reserve All-American Calf in 1929. From this sire also came Hurlwood Sir Canary Walker, Reserve All-American 2-year-old in 1929 and Reserve All-American 3-year-old in 1930. A grandson of Veeman Pietje Ormsby, Hurlwood Sir Veeman, also was named All-American Bull Calf. He is the sire of the present herd

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"TRAVEL FASTER, CHEAPER, BY PIPER"

Advertisement

From where I sit ... *by* Joe Marsh

Squint's Drumming For Fair Play!

Squint Miller's mighty proud of the lot he owns that fronts on River Road—one of the prettiest spots around here.

He's been in a stew about it lately, though. Seems that trash-dumpers take one look at his property, stop their car or truck, and out goes a load of rubbish, spilling all over his place and most of the roadside, too. Wouldn't that make *you* mad?

Last night Squint dropped by the house. Over a friendly glass of beer, he tells me what he's done. "I put a couple of empty oil drums out there," he says, "with a big sign reading: 'If you must dump trash—use these—I like to keep *my* property clean!' "

From where I sit, Squint's sign should make any would-be roadside trash-dumpers pretty darned ashamed of themselves. It seems some folks just have to be reminded, now and then, that they ought to have as much regard for their neighbors' rights as they do for their own.

Joe Marsh

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Have You Read

These Articles on TRACE MINERALS?

"Are We Starving to Death?"
The Saturday Evening Post, September 1, 1945

"Just a Trace May Help Your Stock"
Country Gentleman, August 1948

"Good Medicine that Comes in Small Doses"
Nation's Business, December 1949

"Plants Won't Grow Without Them"
Successful Farming, February 1948

These feature articles, which appeared in the past few years show what has been happening to our soils . . . to our livestock . . . to animal health and thrift for lack of sufficient trace minerals. Don't let Hidden Hunger cut *your* livestock profits. Feed Morton's Trace Mineralized Salt. Morton Salt Company, Chicago 90, Illinois.

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Contains iron, copper, cobalt, manganese & iodine

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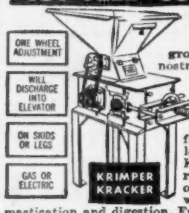

Stop wasting grain with hammermills. Stop feeding dusty, ground grains that clog nostrils and stomach, are unpalatable, cause scrubs, bloat and tail-enders. Now roller-crimp your grains for greater feeding profits. New low-cost Krimper-Kracker genuinely roller-crimps corn, oats, barley, maize, wheat, etc., for full mastication and digestion. Full absorption helps cattle to early bloom, faster growth on less grain. Crimping makes grains bulky, doubles volume, makes 4 bushels do feeding work of 5.

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Krimper-Kracker's low cost will amaze you—extra profits from one season can pay for it. A size for every farm—¾ to 25 HP, 4000 to 30,000 lbs. per hr. Requires only 1/6 the power of hammermills. Wagon box loader optional. Write for free literature and prices today! AGENTS! Honest, steady profits, write for territory.

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YEARS AHEAD

More cutting—"Tomorrow's BUZZ MASTER Today!" See the deluxe riding model. Nothing else like it. Made by the oldest firm in the business—now in our 47th year. There is a model to meet all needs at lowest prices. FREE DETAILS.

OTTAWA MFG. CO., 1-803 Brush Ave., Ottawa, Kan.

bull, Hurlwood Sir Walker Veeman ("Excellent" Silver Medal Type).

From Veeman Pietje Ormsby came many fine cows, including one "Excellent" daughter with 684 lbs. fat, one "Excellent" granddaughter with 651 lbs. fat, 4.2%, and two "Excellent" cows, both over 500 lbs. fat, from the granddaughter.

Now the whole herd is from that line. The foundation cow made a record of 711 lbs. fat and had a 3-lactation average of over 600 lbs. fat herself.

Another family (still related) is the Hurlwood Buttergirl chain, exemplified by Hurlwood Buttergirl Fez, now in the herd with a 709-lb. fat record behind her. Four sisters from the Buttergirl cow average 626 lbs. fat.

Considering that *these are farm-barn records*, they speak very well indeed for the Hurlwood breeding. It's no wonder the Hurlwood Holsteins are popular with other breeders.

Hurlwood Farms is a family affair. Walt and his father worked together until the senior Hurlburt passed away in 1948. Walt recalls wistfully how his father stayed with the cattle at the Springfield show two months before he died, and worked on the farm until 3 weeks before his passing, at the age of 80 years.

Today, Walt's daughter Ann, 15, helps with the milking. His son, Joseph, 13, is an active 4-H dairy club member; has been showing cattle since he was 9. (He topped the 4-H junior yearling class at this year's Eastern States Exposition.) Ann is also a 4-H winner in home economics.

Mrs. Hurlburt (Alice), also a graduate of University of Massachusetts, takes an active interest in the farming program and has a lifetime farm background.

Tradition plays a major role in New England farming. Every New Englander is proud of the past. But, Walter Hurlburt typifies the New England farmer who uses the past to map out the future.

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Guns-&-Butter Markets

(From page 6) breeding stock has absorbed a larger share of the receipts than usual and supported prices for fat lambs and slaughter sheep. In many markets, feeder lambs have been out-selling fats by 50 to 75 cents per cwt. Solid-mouthed breeding ewes are bringing $20 to $25.

The wool advance and strength in lamb prices probably have put *sheep in first rank among farm animals as profit-producers on many farms.* If you have a flock, you can count on lucrative returns over the next few years. It's not too late to start, although buyers of breeding stock at present prices are giving part of the cream to the seller. *Whether you have a flock or not,*

The Trend of Prices

(All prices are at Chicago except milk cows at St. Paul, wool at Boston, hay at Kansas City.)

	Oct. 7, 1950	Sept. 8, 1950	Oct. 8, 1949
Beef steers, top	$ 33.25	$33.15	$35.00
good & choice	30.90	31.00	30.25
com & med	25.65	25.75	21.75
Heifers, gd & ch	29.90	29.65	28.75
com & med	24.75	24.50	21.15
Cows, med & gd	21.65	22.75	16.50
can & com	17.50	18.25	13.00
Bulls	22.65	23.15	17.15
Calves, veal	26.50	26.50	22.50
Stocker & fdr steers	26.75	27.50	21.25
Milk cows, gd & ch	.....	.....	210.00
Hogs, baro & gilt, tp	19.65	24.00	18.50
average	19.40	23.30	18.25
Lambs, top	27.50	28.50	24.00
average	27.00	27.90	22.00
Wool, brt, ½ comb	.88½	.88	.61½
Butter, 92-score	.63	.61¼	.61¼
Cheese, single daisies	.35¾	.35	.35¾
Eggs, standards	.34	.33	.4[illegible]
Hens, No 1 live	.23½	.24¾	.25
Wheat, No 2 hd wtr	2.18*	2.21½*	2.09½
Corn, No 3 yellow	1.53¼	1.56½*	1.33
Oats, No 2 white	.83¾*	.83½	.69½
Soybeans, No 2 yelo	2.90½	2.75*	2.22
Hay, alfalfa, US 1	24.75	24.75	26.25
Cottons'd meal, 41%	89.75	78.95	64.75
Tankage, 60%	118.50	123.50	134.00

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better buy that new Sunday suit. It's likely to cost you 20% more next year.

● MILK and BUTTERFAT prices probably will rise slightly in November. The milk flow will be lowest of the year in this period. The milk-feed and butterfat-feed ratio probably will continue narrower than usual, and, with growing strictness of sanitary regulations, will put stress on economy and efficiency in handling the herd. *Using more hay and less concentrate is one way to widen your dairy margins.*

● FEED GRAIN and feedstuff prices are likely to rise over the next six to eight months. Supplies per animal are about the same as in the past season, but the amount not tied up in the support program is less. *Buying ahead now looks like a wise caper. Soybean meal is likely to be the best buy among high protein feeds.*

Barrow Show *(from page 7)*

The Berkshiremen are always out for blood at any barrow show, and this was no exception when 43 breeders brought in 264 entries. The grand champion truckload was composed of 15 light-weight (190-220 lbs.) barrows, bred, fed and shown by the FFA boys from Whitaker State Orphans Home, Pryor, Okla. Poland Chinas from the Stillwater, Okla., FFA chapter were second in that class, followed by another group of Berks from the West Union, Ia., FFA. Then came three pure-bred Poland China truckloads, before the first cross-bred group showed up—7th among 33 truckloads. In the truckloads weighing more than 220, 8 of them, a cross-bred load was fifth. Here Emerson Littlejohn's Berkshires from Christianburg, O., won, followed by the Poland Chinas, bred, fed and shown by Oscar W. Anderson, Leland, Ill., the first president of the United Poland China Record Association. The truckloads were judged by the head hog buyers from the Hormel, Wilson, Cudahy, Oscar Mayer, Morrell, Swift and Rath packing companies, so they ought to get them about right. In the auction the top priced Berkshire was 7th in class, selling for $425. . . . Bob & LeRoy Faint of Iowa had the champion Berkshire barrow and also the pen.

First-prize Poland China boar pig brought $230, and the gilt $205, in the auction sale.

You may remember that Art Arens, Hartington, Neb., had the grand champion barrow over all breeds, with his Duroc, last year. This time he was second in both the light and heavy-weight barrow classes. The Stillwater, Okla., boys had the champion Duroc barrow, Willard Klein of Iowa Falls had the top boar and litter and his boar brought $1010 in the auction. Wilbur E. Newlin, Mooresville, Ind., had the best red gilt.

In Chester Whites top barrow, top gilt, top feeder-breeder litter all went to Harvey & D. J. Richardson, Elmore City, Okla. Harvey is the son and D. J. the father. Just-a-Mere Farm, Blanchard, Ia., won the boar class, and sold him for $325 in the auction. . . . Two exhibitors showed OIC's. Fred Nickel & Sons, Monroe, Mich., swept the boards; their top middle-weight barrow, which had shrunk to 207 lbs. on slaughter day, had the highest dressing percentage in the entire contest—73.4%.

Harris Sellers, Jr., Chariton, Ia., secretary of the National Hereford Hog Record, believes in practicing what he preaches. He

had the tops in all four white-faced barrow classes, while breeders from Kenyon, Ia., had the boar, gilt and litter winners. Eight sold in the auction, with a $115 top for a male and $70 for a female.

Champion Yorkshire barrow came from M. H. Routon & Son, Camby, Ind., another Hoosier, Jess C. Andrew, Jr., of West Point pressing close. Routon had the pen too. In the sale Chardon Farms, Grayslake, Ill., paid $345 for the Yorkshire boar that was 6th in class.

Champion Tamworth barrow came from Tamgold Farm, Hagerstown, Ind., while R. H. Conn, Oxford, O., won the pen. In the auction Tamgold got top price of $140—for a gilt.

It is significant that the group above the Lightweights (190-220 lbs.) is not called heavyweights, but rather Middleweights (220-270 lbs.). The trade seems to be saying that big heavy barrows are not wanted. Well, it costs money to make 300-lb. hogs, and it takes a lot more time to put on extra weight too.

In the regular carcass contest, with 85 barrows competing, Art Myers' No. 6 Hampshire barrow from Bi-Lane Farm was the champion, with a value of $21.13 a cwt., and a yield of 71.9%. Second was a Yorkshire, shown by Joyce Schenck, Waynetown, Ind., which dressed 70% and had a value of $20.64. The highest dressing hog in the contest was the Berkshire of Milo V. Wolrab, Mt. Vernon, Ia., which made 72.3%.

There may still be imponderables in judging hogs, but these modern swineherds are both brave and reasonable men and go right up against the buzzsaw when they send their prizewinners to immediate slaughter. In the cooler both the quality and yield of cuts are evaluated. No guesswork. Fill weight—stomach, intestines and contents—is adjusted to 24 lbs. Indeed,

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NOV. 8

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Pittsburg, Kansas

NOV. 24

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Wayne, Nebraska

51st Annual

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DAIRYMEN; "Suppl-E-ment" stops breeding failures! 4 pounds, $6.40 postpaid. Guaranteed. Full information from MATHEWS SUPPLEMENTS, Dept. K, 1619 35th St., N. W., Washington 7, D. C.

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PARTS FOR ALL STOVES, ranges, heaters, furnaces back to 1886. Fit guaranteed. Write for prices. Give make, model and part number. Blue Belle Co., Dept. Z, 1307 Howard, Omaha, Nebraska.

PAINT—Titanium Formula, outside white; stays white. Won't peel. Will last for years. $1.85 a gallon in fives. Sample pint, 50c, postpaid. Lilly White Paint Co., 310 W. Washington St., Chicago, Illinois.

FARMERS! HOME OWNERS! Save dollars on Clothing, Stoves, Furnaces, Space Heaters, Hardware, Home Appliances . . . All in the NEW Jim Brown Fall and Winter Catalog! Packed with over 15,000 outstanding values . . . 236 Pages! 61 Years In Business! Write today for your FREE Catalog! BROWN FENCE AND WIRE DIVISION, Dept. ME, Cleveland 3, Ohio.

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LEATHER JACKETS RENOVATED

YOUR LEATHER JACKET renovated by our craftsmen expertly, reasonably. Request Free descriptive circular. Berlew Mfg. Co., Dept. 5, Freeport, New York.

each carcass is carved into hams, loins, bacon, butts and picnics, each cut is weighed and the weight is multiplied by the average price of each cut on the market for 12 months previous—which amounted to only $18.82, by the way, in case any consumer is reading. Well, the grand champion barrow, the 220-lb. Poland China from Oklahoma, had to take second on the hooks, being beaten by a 257-lb. Yorkshire from Camby, Ind., only by 2c a cwt. The York yielded 72.8%, was 33 inches long, with a back fat thickness of 1.7 inches, and an actual value of $20.67 per cwt. The Poland China yielded 71.5%, was 28.8 inches long, with 1.4 inches of back fat and a value of $20.65 per cwt. Wrapped up right there in that contest is the hog farmer's present-day enigma. Should he breed his porkers a little longer in the side?

Among seven teams in the college judging, little old South Dakota, from over Brookings way, cleaned them. But Mississippi Ag. College was in there with a team, fighting bravely, and declaring that they're going to have some good hogs down in Dixie before long, suh!

Peter J. Holland, who grew up on the Austin High School vo. ag. staff, is the director of the show and it is a tribute to him that the Future Farmers from several states had so prominent a part. Pete breeds Chester Whites himself, but is no breed partisan, and due to his work the Austin Area Sow-Testing Association is one of the outstanding livestock improvement organizations of the country. . . . Carroll Plager, Hormel's livestock extension man, was superintendent of the show. His brother Wilbur is secretary of the Iowa Swine Producers Association, and was co-superintendent of the truckload show, with 68 entries. Elder brother Russ G. Plager is the livestock director for John Morrell & Co. at Ottumwa, and there is a brother-in-law or two somewhere in similar work. There is science, and art, and profit, and dignity, in this hog business—if you're smart enough to see it.

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If you want a lot of big, fast growing pigs in 1951, better select your boar this fall at Lynnwood. Correct meat type, best breeding, cholera immuned, registered, reasonably priced. Also spring gilts, littermates to above boars. Mail orders guaranteed. Visitors welcome. Letters answered promptly.

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A few good bred gilts. Spring pigs, both sex. Farm prices. Write or visit us.

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100 registered spring boars and gilts; also 50 open and 20 bred unregistered commercial gilts. Sale at Hog Farm, 4 mi W of Clinton, Ind., on Rte. 163. For catalog, address

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Top Type
HAMPSHIRE BRED GILTS

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FAST GROWTH!
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Write for literature and list of breeders.

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YORKSHIRES

We have spring boars and gilts that are extremely well developed, the right type and breeding, and priced right, too. Also booking orders for fall pigs. Write us today. Satisfaction guaranteed.

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of Unusual Quality

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Early bred gilts, a few spring boars and gilts. Straight, one-half, and three-quarter English.

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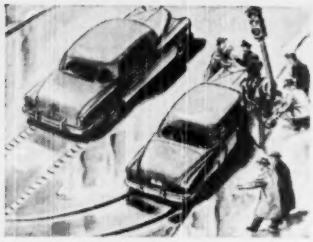


A QUICK SKID **can mean a bad accident. Drive carefully—and don't forget to use Weed Chains.**

IT'S EASY **to put on chains with Weed Zip-On Tire Chain Appliers. Keep a pair handy.**

ACCO *In Business for Your Safety*

AMERICAN CHAIN & CABLE COMPANY, INC.
Bridgeport, Connecticut

Sam Guard's Round-up

[From page 3]

FRED HUBBLE, Dundas, Ill., while the champion, consigned by WHITMORELAND, Burlington, Wis., went at $255 to TOOHEY BROS., Oakford, Ill. LYNNWOOD FARM, Carmel, Ind., had reserve champion gilt and she sold to MILO WOLRAB, Mt. Vernon, Ia., for $250. Is there an idea here for other breeds—just sell the prizewinners and put the yardstick of what the highest bidder will pay, against the yardstick the judge used?

The Long Hogs

IF YOU READ OUR REPORT OF THE NATIONAL BARROW SHOW, WE THINK you'll get a pretty good idea of what is going on in swine type. Already the Yorkshire and Tamworth breeds have held their annual meetings and national sales only 36 miles apart at Dayton and Hamilton, Ohio. Yorkshire Secretary E. ROBT. SHANNON reported 15,305 registrations this year, compared with 9,070 in 1949; also 547 new members, compared with a total membership of 653 last year. Yorkshiremen nearly doubled their membership in a year. GUY HARMON, Queenstown, Md., was reelected president of the American Yorkshire Club. In the sale, 13 boars averaged $138 and 41 gilts $111. Top was $310 for the grand champion boar. The top gilt brought $285. She was reserve champion, consigned by Vice President HARLAN HANKS, Winnebago, Minn. . . . At Hamilton, Tamworth Secretary RALPH WALTZ, Hagerstown, Ind., reported 3,572 registrations in a 10-month fiscal year—nearly double the 1949 number for 12 months. In the Tamworth show they grade their hogs AAA, AA and A. The 7 AAA boars averaged $180, the 10 AA boars $64, and 2 A boars $54. The 9 AAA gilts averaged $147, 27 AA gilts $90 and 2 A gilts $70. The Tamworth Swine Association reelected E. D. KNIGHT, Charleston, W. Va., president. . . . Not only are the bacon breeds advancing, but the long hog in any breed is desirable. As Prof. ZAVORAL said at Minnesota Swine Feeders' Day, "a little extra length, keeping the depth, will add an extra pork chop, an inch more bacon and more space for extra nipples to raise more pigs."

Bovine Battles

FROM NEW JERSEY TO CALIFORNIA AND FROM MINNESOTA TO TEXAS, stock-farmers who breed top milking kine assembled their cattle at Waterloo and Indianapolis in two great cow shows which gave the whole country a new feeling of security about their future supplies of milk, cream, butter and cheese. As we go to press the 2nd International Dairy Exposition is under way on the Indiana State Fair grounds, where the Red Polls have joined the Holsteins, Guernseys, Jerseys, Ayrshires, Brown Swiss, and Milking Shorthorns. On the opening day a 62-car special train loaded with cattle rolled in from Waterloo with prize ribbons flying from hard-fought battles in the National Dairy Cattle Congress. For instance, ADOHR DAIRIES air-lifted Pearlette all the way from California to dethrone CURTISS CANDY'S perennial champion Afton's Golden Marie, which not only beat her before 29 other aged cows, but went on to the challenge of the best-uddered class and left her in second place there before a breathless crowd of spectators. Then came an old Holstein bull, Chip of Nettie and Aggie, now shown by a former herdsman who paid $2,100 for him rather than see him leave home! Could he retain the purple ribbon, despite his age of 10 years? He could and did, jauntily parading his 3,400 pounds to the head of the line in one of the greatest Holstein shows ever seen in the U.S.A.

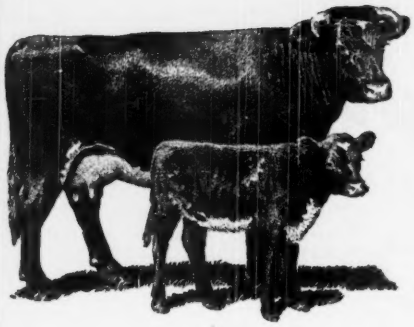
Got a Date?

NOVEMBER BEGINS WITH THE U. S. LIVESTOCK SANITARY ASS'N MEETING in Phoenix, Ariz. This might be the organization where stockmen and veterinarians can get together! . . . Nov. 8-9 the Red Polled Cattle Club of America will hold its 68th annual meeting and 8th national sale at Springfield, Ill. . . . Nov. 8-9 also the Bluegrass Hereford Show will be on the tanbark at the Kentucky Fair Grounds. . . . The Louisville Fat Cattle Show, opening at Bourbon Stock Yards on Nov. 15, is the biggest one put on by farm boys and girls anywhere in the world. . . . Polled Herefordmen will stage their Golden Jubilee in the American Royal arena at Kansas City, Nov. 20-22. . . . And the month ends with the 51st International Livestock Exposition in full swing. Oh yes, oh yes, animal husbandry's court of last resort is in session on Nov. 25, and runs through Dec. 2. During that week too, most of the purebred record associations will hold their annual meetings in Chicago, your boys and girls will be off to the 4-H Club Congress, and you yourself might do well to join this great encampment of livestock farmers. Mobilized or not, we want to learn how to march along together, do we not?

Your friend,

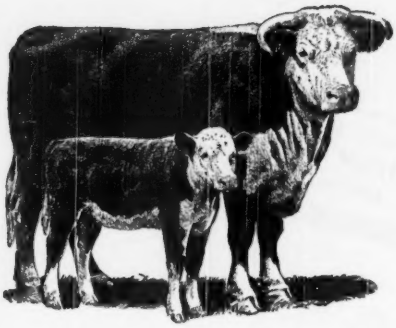
Samuel R Guard

Editor



For

- SHIPPING FEVER
- METRITIS
- CALF DIPHTHERIA
- CALF SCOURS
- BACILLARY ENTERITIS
- FOOT ROT



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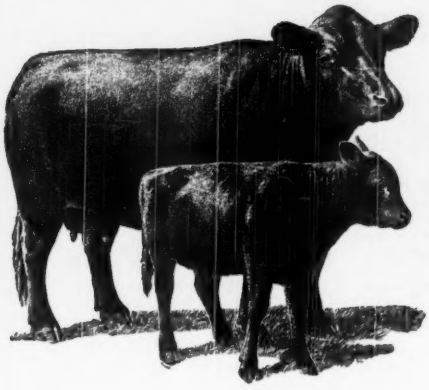

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- **Large oversize tires.**

The New Fox is 700 lbs. lighter, 18" shorter, yet it has greater capacity, greater strength and many new features.

Learn how much easier it is to do it with the Fox Forage Master.

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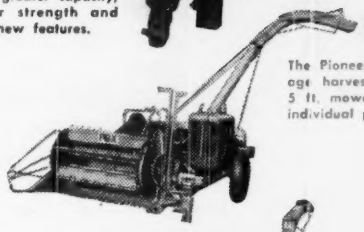

The Pioneer grass silage harvester with a 5 ft. mower bar and individual power unit.

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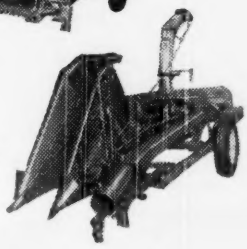

The 54B with power take-off drive and corn harvesting unit.